

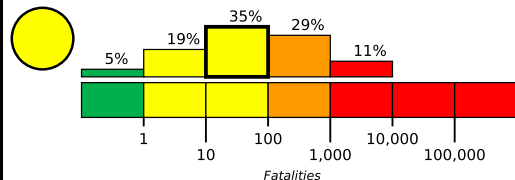
M 6.4, 2 km WSW of Petrinja, Croatia

Origin Time: 2020-12-29 11:19:54 UTC (Tue 12:19:54 local)

Location: 45.4250° N 16.2581° E Depth: 10.0 km

Created: 3 weeks, 4 days after earthquake

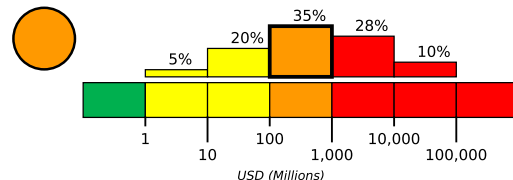
Estimated Fatalities



Orange alert for economic losses. Significant damage is likely and the disaster is potentially widespread. Estimated economic losses are 0-3% GDP of Croatia. Past events with this alert level have required a regional or national level response.

Yellow alert for shaking-related fatalities. Some casualties are possible.

Estimated Economic Losses

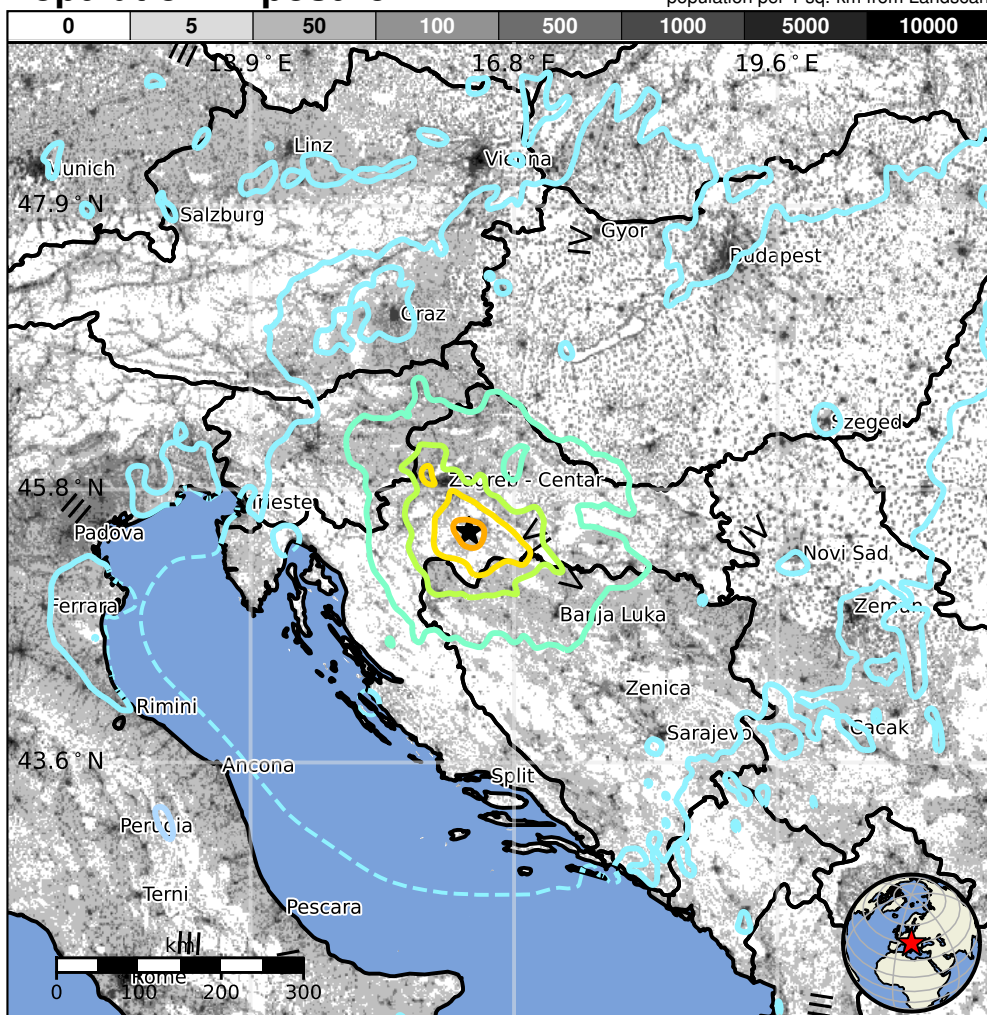


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	42,410k*	23,755k	2,179k	1,084k	477k	54k	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are mud wall with wood and unreinforced brick with mud construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1998-04-12	222	5.6	V(9k)	0
1997-09-26	379	5.7	VII(2k)	14
1976-05-06	254	6.5	IX(55k)	965

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VIII	Petrinja	14k
VIII	Sisak	36k
VII	Budasevo	2k
VII	Oresje	1k
VII	Pokupsko	<1k
VII	Zapresic	18k
IV	Munich	1,260k
III	Rome	2,319k
III	Belgrade	1,274k
III	Budapest	1,741k
III	Vienna	1,691k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000d3zh#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000d3zh